

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 01/08/2018 11:42 AM
Cytometer Baseline: 10/18/2017 09:13 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124404	-1	1.30	124332	1.30
Blue	F	SSC	125000	122857	-2	3.43	123137	3.31
Blue	E	FITC	23615	22717	-4	2.54	1016	10.59
Blue	D	PE	26739	26317	-2	2.14	946	9.90
Blue	B	PerCP-Cy5-5	48339	46978	-3	3.64	1350	16.97
Blue	A	PE-Cy7	45021	44231	-2	5.37	696	35.49
Red	C	APC	53064	52235	-2	2.74	2996	9.39
Red	A	APC-Cy7	57175	56123	-2	2.75	1185	11.35
Violet	B	V450	14728	14144	-4	4.46	669	9.24
Violet	A	V500	58621	57053	-3	4.24	2526	6.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18461	1.97	606	-8	N/A	N/A	Pass
Blue	F	SSC	60823	1.41	548	2	N/A	N/A	Pass
Blue	E	FITC	110	39.78	542	-6	0.0191	91	Pass
Blue	D	PE	205	30.04	535	-1	0.1630	275	Pass
Blue	B	PerCP-Cy5-5	211	45.33	631	-4	0.0101	105	Pass
Blue	A	PE-Cy7	75	116.49	690	-3	0.0116	9	Pass
Red	C	APC	350	27.95	596	-1	0.0209	102	Pass
Red	A	APC-Cy7	130	40.07	577	-3	0.0052	1452	Pass
Violet	B	V450	82	41.08	459	-11	0.0454	1697	Pass
Violet	A	V500	183	22.44	487	-10	0.0135	175	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 01/08/2018 11:42 AM
Cytometer Baseline: 10/18/2017 09:13 AM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.94	-31.34	0.99
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	18.32	14.40 - 21.60	N/A	N/A	30.93	31.48	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10422

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments